CCK-8 (Cholecystokinin Octapeptide) Data Sheet

Catalog Number: RA20078
Product Type: Whole Serum
Host: Rabbit
Species Reactivity: Rat, Mouse
Immunogen Sequence: Sulfated CCK-8 (26-33) coupled to bovine thyroglobulin (BTg) with glutaraldehyde.

Format: Lyophilized 100 μl with 0.09% sodium azide as a preservative.

Applications:
- Immunofluorescence: 1:100-1:200 (Fluorescein)
- 1:500-1:1,000 (Streptavidin/HRP)

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

Reconstitution:
Do not reconstitute until ready to use since the product is most stable when lyophilized. The product does not need to be cooled during shipping. For long-term storage, store lyophilized antibody until ready to use at -15º C or lower. Reconstitute with 100 μL of distilled or deionized water.

Storage: Maintain at +2-8ºC for 3 months or at -20ºC for longer periods. Stable for 1 year. Avoid repeated freeze-thaw cycles.

Application Notes

Tissue Preparation:
10 μm cryostats
• Fixative: 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4; 500 mL over ~20-30 min.
• Post Fixation: 1.5 hr. at 4°C in 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4.

Immunohistochemistry:
The antibody has significant indirect immunofluorescent staining at a 1/100-1/200 dilution and significant Biotin-Streptavidin/HRP immunostaining at a 1/500-1/1,000 dilution in rat hypothalamus and spinal cord. The specificity of the antiserum was examined by soluble pre-adsorption with the peptides in question at a final concentration of 10^6 M CCK-8 immunolabeling was completely abolished by pre-adsorption with CCK-8, gastrin 17 and gastrin 34. Pre-adsorption with the following peptides resulted in no reduction of immunostaining: cGRP, βCGRP, neurotensin, somatostatin, substance P, leucine enkephalin, methionine enkephalin, VIP, neuropeptide Y, gastric inhibitory polypeptide, bombesin, glucagon, peptide YY, and FMRF amide.